

Title (en)
Spray cooler

Title (de)
Einspritzkühler

Title (fr)
Refroidisseur à injection

Publication
EP 2405195 A3 20121128 (DE)

Application
EP 11171534 A 20110627

Priority
DE 102010026116 A 20100705

Abstract (en)
[origin: EP2405195A2] The radiator (10) has an injection cylinder (30) equipped with multiple injectors (32). A control element (50) is connected to a coolant supply with a terminal (52). Coolant feed conduits (70) are provided between the injection cylinder and the control element. Injection cylinder assigned ends (71) of coolant feed conduits are secured at a common flange plate (73), that is fixed at a receiving surface (36) of the injection cylinder. Assigned ends (72) of the control element are secured at another common flange plate (74) that is fixed at a receiving surface (56) of the control element.

IPC 8 full level
F22G 5/12 (2006.01)

CPC (source: EP)
F22G 5/123 (2013.01)

Citation (search report)

- [A] NL 9301125 A 19950116 - NARVIK VALVES B V
- [A] JP 2005273952 A 20051006 - BABCOCK HITACHI KK
- [A] EP 1965132 A1 20080903 - COCKERILL MAINTENANCE ET INGEN [BE]

Cited by
US11454390B2; US11346545B2; US11353210B2; US11767973B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2405195 A2 20120111; EP 2405195 A3 20121128; EP 2405195 B1 20140108; DE 102010026116 A1 20120105; ES 2457392 T3 20140425

DOCDB simple family (application)
EP 11171534 A 20110627; DE 102010026116 A 20100705; ES 11171534 T 20110627